SULLAIR 600 AND 655

Diesel Engine Portable Air Compressor

8.6 bar (125 psi) & 7.0 bar (100 psi)

17.0 m³/min (600 cfm) & 18.5 m³/min (655 cfm)



SULLAIR®

Always air. Always there.®

ABOUT SULLAIR

For more than 50 years, Sullair has been on the leading edge of compressed air solutions. We were one of the first to execute rotary screw technology in our air compressors. And our machines are famous all over the world for their legendary durability. As the industry moves forward, Sullair will always be at the forefront with quality people, innovative solutions, and air compressors that are built to last.

Sullair was founded in Michigan City, Indiana in 1965, and has since expanded with a broad international network to serve customers in every corner of the globe. Sullair has offices in Chicago and manufacturing facilities in the United States and China — all ISO 9001 certified to assure the highest quality standards in manufacturing. In addition, Sullair Suzhou and Shenzhen facilities are ISO 14001 and OHSAS 18001 certified.

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LEGENDARY SULLAIR AIR END

PROVEN RELIABILITY

Bulletproof. It's a word often used in conjunction with the Sullair air end. Although the principle of rotary screw compression remains the same, as does the durability, Sullair continuously improves the materials, engineering and design of its air ends and compressor packages.

Features asymmetrical rotors made in the USA with proven bearing design.

LONGER AIR END LIFE

Controlled pressure lubrication and bearing fluid reservoirs assure a reliable supply of fluid to rotating elements — helping extend air end life.

SULLAIR AIR END WITH EXTRAORDINARY PERFORMANCE

18 series air end with integrated inlet control valve capable of modulating air inlet volume based on air demand

AIR END WARRANTY

2 year standard warranty

5 year or 10,000 hour warranty when continuously serviced at the recommended intervals with Sullair AWF® compressor fluid and filters





INSTRUMENT PANEL

Display content:

- Discharge temperature gauge
- Discharge pressure gauge
- Fuel level gauge
- Engine oil pressure gauge
- Voltmeter
- Tachometer
- Start-up/running switch
- Preheat switch
- 3 alarm indicators

AWF® ALL WEATHER FLUID

The fluid of choice for demanding operating conditions — heat, cold, humidity — AWF handles them all

- Designed for the most extreme conditions, AWF is formulated to handle the challenging conditions faced by portable rotary screw air compressors. This multi-viscosity, highly refined, petroleum-based fluid combines easy cold-weather starting and warmup with exceptional lubrication in hot or severe conditions.
- AWF fights oxidation contaminants in intake air that can rust and corrode internal surfaces. Special additives dissolve or suspend contaminants before they form harmful deposits. Additives also neutralize acidic pollutants in the air so that acids can't attack metal surfaces.
- Lasts up to 1500 hours
- Excels in dirty environments
- Resists varnish in hot conditions
- Formulated to maximize air/fluid separation and limit fluid carryover

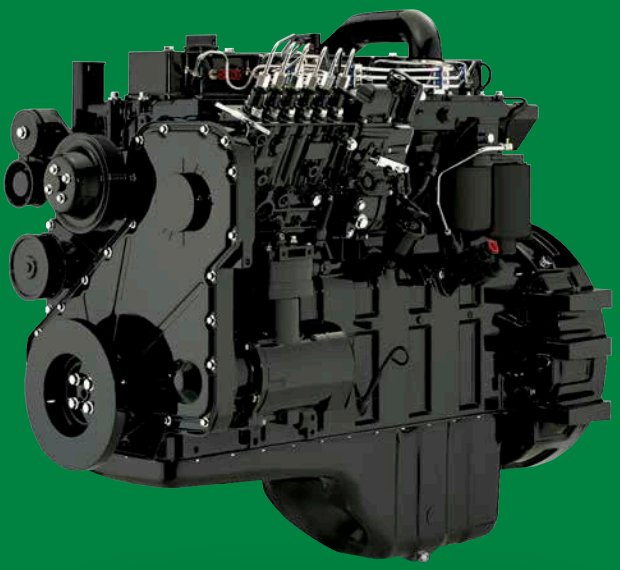


RUNNING GEAR

- The machines are supplied with a single axle undercarriage
- Maximum towing speed of 35 km/h
- Height of the machine can be effectively reduced to make it more flexible, stronger and reliable

ADDITIONAL FEATURES

- The 230 litre metal fuel tank installed meets the demand of 8–10 consecutive hours of work
- Convenient placement of air filter directly in front of the service doors provides access for easy maintenance, reducing downtime and service costs
- Single stage oil injection screw compressor
- Multi-functional display instrument panel
- 0–100% capacity regulation
- Two-stage air filters with safety elements
- Pneumatic inlet valve and blowdown starter
- Lockable service doors
- Protective shut-down switches
- Idle warm-up switch



CUMMINS ENGINE

IN-LINE SIX CYLINDER B SERIES

This Cummins B series engine with in-cylinder technology maintains a compact, simple and cost-effective design solution. With an idle speed of 1300 rpm, the engine provides large torque with low fuel consumption. Designed for minimal noise output, it can operate in high density areas such as business or residential districts. The Holset Turbocharger provides a waste gated design to optimize operation across the torque curve with improved response. Having 40% fewer parts than traditional diesels, the integrated design eliminates potential leak points. The durable rotary fuel pump delivers a steady stream of pressurized fuel for strong performance in every environmental condition.

TECHNICAL SPECIFICATIONS

MODEL	600 DPQ	655 DPQ
COMPLETE MACHINE		
Nominal Volume Capacity (m³/min/CFM)	17.0/600	18.5/655
Rated Discharge Pressure (bar/psi)	8.6/125	7/100
Working Pressure Range (bar)	3.5–8.6	3.5–7
Max. Towing Speed (km/h)	35	
Noise Sound Level (±3 dBA at 7m)	80	
Machine Weight (kg/lbs)	2750/6063 (dry)	
Dimensions: L x W x H mm	2950 x 2100 x 2010 (excluding tow bar) 4280 x 2100 x 2010 (including tow bar)	
Tire Specifications	7.5-16-14PR	
Tire Pressure (kPa/psi)	690–760 (100–110)	
Max. Operating Altitude (m)	3048	
Specification of Air Supply Valve	1 x Rp 2 1 x Rp ½	
Fluid Capacity (L/US gal)	26 (6.8)	
DIESEL ENGINE		
Manufacturer	Dongfeng CUMMINS	
Model	6BTAA5.9-C180	
Full-load / No-load Speed (rpm)	1800/1300	1900/1300
Rated Power (kW/BHP)	180 (132)	
Displacement (L/in³)	5.9/136	
Cooling System Capacity (L/US gal)	22.5/5.9	
Engine Oil Capacity (L/US gal)	16.3/4.3	
Fuel Tank Capacity (L/US gal)	230/60.8	
Electrical System Voltage (V)	24	
Rated Capacity of Battery	210Ah/ea.	

For more information, contact your local authorized Sullair distributor.

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